

E¹
Arg-Met-Pro-Cys (SEQ ID NO:117), Met-Pro-Cys, Pro-Cys or Cys, X² represents Arg or Lys, X³ represents Ser or Thr and X⁴ represents Cys-Lys or Cys (except for the amino acid sequence (SEQ ID NO:118) in which X¹ is Pro-Cys, X² is Lys, X³ is Ser and X⁴ is Cys-Lys);

Please delete the paragraph on page 21, line 22 to page 22, line 5, and replace it with the following paragraph:

Preferred as the peptide of the present invention are, for example, peptides comprising an amino acid sequence of the formula

E²
X¹-X²-Asn-Phe-Phe-Trp-Lys-Thr-Phe-X³-Ser-X⁴ (SEQ ID NO:115) (I)
wherein X¹ represents Asp-Arg-Met-Pro-Cys (SEQ ID NO:116), Arg-Met-Pro-Cys (SEQ ID NO:117), Met-Pro-Cys, Pro-Cys or Cys, X² represents Arg or Lys, X³ represents Ser or Thr and X⁴ represents Cys-Lys or Cys (except for the amino acid sequence (SEQ ID NO:118) in which X¹ is Pro-Cys, X² is Lys, X³ is Ser and X⁴ is Cys-Lys).

Please delete the paragraph on page 22, lines 12-15, and replace it with the following paragraph:

E³
(2) A peptide comprising an amino acid sequence (SEQ ID NO:3) derived from the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof (hereinafter sometimes abbreviated as hCS-13);

Please delete the paragraph on page 23, lines 1-5, and replace it with the following paragraph:

E⁴ (5) A peptide comprising an amino acid sequence (SEQ ID NO:37) derived from the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and one amino acid (Lys) from the C terminus thereof (hereinafter sometimes abbreviated as des Lys¹³ -hCS-13);

Please delete the paragraph on page 23, lines 15-19, and replace it with the following paragraph:

E⁵ (8) A peptide comprising an amino acid sequence (SEQ ID NO:40) derived from the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and substitution of Lys for the 2nd residue Arg (hereinafter sometimes abbreviated as [Lys²]hCS-13);

Please delete the paragraph on page 24, lines 712, and replace it with the following paragraph:

E⁶ (11) A peptide comprising an amino acid sequence (SEQ ID NO:43) derived from the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and one amino acid (Lys) from the C terminus thereof and substitution of Lys for the 2nd residue Arg (hereinafter sometimes abbreviated as des Lys¹³-[Lys²]hCS-13);

Please delete the paragraph on page 24, line 22 to page 25, line 2 and replace it with the following paragraph:

E7
(14) A peptide comprising an amino acid sequence (SEQ ID NO:46) derived from the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and substitution of Thr for the 10th residue Ser (hereinafter sometimes referred to as [Thr¹⁰]hCS-13);

Please delete the paragraph on page 25, lines 1419, and replace it with the following paragraph:

E8
(17) A peptide comprising an amino acid sequence (SEQ ID NO:49) derived from the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and the amino acid (Lys) from the C terminus thereof and substitution of Thr for the 10th residue Ser (hereinafter sometimes referred to as des Lys¹³-[Thr¹⁰]hCS-13);

Please delete the paragraph on page 26, lines 712, and replace it with the following paragraph:

E9
(20) A peptide comprising an amino acid sequence (SEQ ID NO:52) derived from the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and substitution of Lys for the 2nd residue Arg and of Thr for the 10th residue Ser (hereinafter sometimes referred to as [Lys²,Thr¹⁰]hCS-13);

Please delete the paragraph on page 27, lines 1-7, and replace it with the following paragraph:

E¹⁰

(23) A peptide comprising an amino acid sequence (SEQ ID NO:55) derived from the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and one amino acid (Lys) from the C terminus thereof and substitution of Lys for the 2nd residue Arg and of Thr for the 10th residue Ser (hereinafter sometimes referred to as des Lys¹³-[Lys²,Thr¹⁰]hCS-13); etc.

Please delete the paragraph on page 120, lines 1-6, and replace it with the following paragraph:

[SEQ ID NO:3]

E¹¹

The amino acid sequence of a peptide derived from the mature peptide defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof (from the 93rd residue to the 105th residue in the amino acid sequence shown in Fig. 2; hCS-13).

Please delete the paragraph on page 125, line 23 to page 126, line 4 and replace it with the following paragraph:

[SEQ ID NO:37]

E¹²

The amino acid sequence of a peptide derived from the peptide having the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and of one amino acid (Lys) from the C terminus thereof (des Lys¹³ hCS-13).

Please delete the paragraph on page 126, lines 14-18, and replace it with the following paragraph:

[SEQ ID NO:40]

E13 The amino acid sequence of a peptide derived from the peptide having the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and substitution of Lys for the 2nd residue Arg ([Lys²] hCS-13).

Please delete the paragraph on page 127, lines 6-11, and replace with the following paragraph:

[SEQ ID NO:43]

E14 The amino acid sequence of a peptide derived from the peptide having the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and one amino acid (Lys) from the C terminus thereof and substitution of Lys for the 2nd residue Arg (des Lys¹³[Lys²]hCS-13).

Please delete the paragraph on page 127, line 21 to page 128, line 1 and replace it with the following paragraph:

[SEQ ID NO:46]

E15 The amino acid sequence of a peptide derived from the peptide having the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and substitution of Thr for the 10th residue Ser ([Thr¹⁰]hCS-13).

Please delete the paragraph on page 128, lines 1348, and replace it with the following paragraph:

[SEQ ID NO:49]

E16
The amino acid sequence of a peptide derived from the peptide having the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and one amino acid (Lys) from the C terminus thereof and substitution of Thr for the 10th residue Ser (des Lys¹³[Thr¹⁰]hCS-13).

Please delete the paragraph on page 129, lines 6-11, and replace it with the following paragraph:

[SEQ ID NO:52]

E17
The amino acid sequence of a peptide derived from the peptide having the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and substitution of Lys for the 2nd residue Arg and Thr for the 10th residue Ser ([Lys², Thr¹⁰]hCS-13).

Please delete the paragraph on page 130, lines 1-7, and replace it with the following paragraph:

[SEQ ID NO:55]

E18
The amino acid sequence of a peptide derived from the peptide having the amino acid sequence defined under SEQ ID NO:1 by deletion of four amino acids (Asp-Arg-Met-Pro) (SEQ ID NO:117) from the N terminus thereof and one amino acid (Lys) from the C terminus thereof and substitution of Lys for

the 2nd residue Arg and Thr for the 10th residue Ser (des
Lys¹³[Lys²,Thr¹⁰]hCS-13).

Please delete the paragraph on page 155, line 23 to page 156, line 4 and
replace it with the following paragraph:

Example 3

Synthesis of human peptide hCS-17 (SEQ ID NO:1):

E19 Asp-Arg-Met-Pro-Cys-Arg-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-

Lys 1) Synthesis of Boc-Asp(OcHex)-Arg(Tos)-Met-Pro-Cys(MeBzl)-

Arg(Tos)-Asn-Phe-Phe-Trp(CHO)-Lys(Cl-Z)-Thr(Bzl)-Phe-Ser(Bzl)-

Ser(Bzl)-Cys(MeBzl)-Lys(Cl-Z)-OCH₂-PAM resin (SEQ ID NO:119)

Please delete the paragraph on page 158, lines 14-20, and replace it with
the following paragraph:

Example 4

Synthesis of deletion type human peptide hCS-15 (SEQ ID NO:2):

E20 Met-Pro-Cys-Arg-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-Lys

1) Synthesis of Boc-Met-Pro-Cys(MeBzl)-Arg(Tos)-Asn-Phe-Phe-

Trp(CHO)-Lys(Cl-Z)-Thr(Bzl)-Phe-Ser(Bzl)-Ser(Bzl)-Cys(MeBzl)-

Lys(Cl-Z)-OCH₂-PAM resin (SEQ ID NO:120)

Please delete the paragraph on page 159, lines 14-23, and replace it with the following paragraph:

Example 5

Synthesis of deletion type human peptide hCS-13 (SEQ ID NO:3):

Cys-Arg-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-Lys

1) Synthesis of Boc-Cys(MeBzl)-Arg(Tos)-Asn-Phe-Phe-

Trp(CHO)-Lys(Cl-Z)-Thr(Bzl)-Phe-Ser(Bzl)-Ser(Bzl)-Cys(MeBzl)-

Lys(Cl-Z)-OCH₂-PAM resin (SEQ ID NO:121) Following the procedure of Example 3, all the necessary amino acids were introduced into the resin in the order as indicated by the sequence, to give 0.603g of the protected peptide resin.

Please substitute the Sequence Listing (pages numbered 1-31) with the substitute sheets (numbered 1-36) attached hereto, and renumber the claims and abstract accordingly.

REMARKS

Applicants have submitted the attached pages 1-36 to include the amended Sequence Listing as part of this Application.

Applicants have amended the Application to include the sequence identification number in the specification where reference is made to the sequence by use of the assigned identifier as required by 37 CFR §1.812(d). No new matter has been added by virtue of the amendment made to the specification.

Applicants believe that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.